

## Contents

### Volume 73

Dose response effects of 2-acetylaminofluorene on DNA damage, cytotoxicity, cell proliferation and neoplastic conversion in rat liver T. Umemura, K. Tokumo, H. Sirma, R. Gebhardt, M.C. Poirier, G.M. Williams (Valhalla, NY; Tokyo and Hiroshima, Japan; Tübingen, Germany; Bethesda, MD)	1-10
Distinct cytotoxicity against neuroblastoma cells of peripheral blood and tumor-infiltrating lymphocytes from patients with neuroblastoma Y. Kataoka, T. Matsumura, S. Yamamoto, T. Sugimoto, T. Sawada (Kyoto, Japan)	11-21
Abnormal rectal cell proliferation and p52/p35 protein expression in patients with ulcerative colitis G.M. Paganelli, P.J. Higgins, G. Biasco, M. Lipkin, G. Brandi, R. Santucci, M. Miglioli, L. Barbara (Bologna, Italy; Albany and New York, NY)	23-28
Increased ADP-ribosylation of histones in oral cancer B.R. Das (Orissa, India)	29-34
Effect of four plant phenols, $\beta$ -carotene and $\alpha$ -tocopherol on 3(H)benzopyrene-DNA interaction in vitro in the presence of rat and mouse liver postmitochondrial fraction M. Lahiri, S.V. Bhide (Bombay, India)	35-39
Correlation of the ability of retinoids to inhibit promoter-induced anchorage-independent growth of JB6 mouse epidermal cells with their activation of retinoic acid receptor $\gamma$ C.J. Rudd, J.N. Mansbridge, K.D. Suing, M.I. Dawson (Menlo Park, CA)	41-49
Germ-line p53 mutation is uncommon in patients with triple primary cancers M. Shiseki, R. Nishikawa, H. Yamamoto, A. Ochiai, H. Sugimura, N. Shitara, Y. Sameshima, H. Mizoguchi, T. Sugimura, J. Yokota (Tokyo and Shizuoka, Japan)	51-57
Pharmacokinetic and tumour-photosensitizing properties of the cationic porphyrin meso-tetra(4 <i>N</i> -methylpyridyl)porphine A. Villanueva, G. Jori (Madrid, Spain; Padova, Italy)	59-64
Effects of eicosanoid metabolism inhibitors on growth of a human gastric tumour cell line (HGT) Y. Denizot, A. Najid, M. Rigaud (Limoges, France)	65-71
Mouse skin tumor-initiating activity of benz[ <i>a</i> ]aceanthrylene in SENCAR mice S. Nesnow, A. Gold, R. Sangaiah, T.J. Slaga (Triangle Park, NC; Chapel Hill, NC; Smithville, TN)	73-76
Molecular modelling of tumour-promoting and non-promoting diterpene esters and molecular co-ordinates of the potent irritant resiniferatoxin P.C. Gordge, A.T. Evans, W.J. Ryves, P. Sharma, N.M. Hassan, A. Aitken, F.J. Evans (London, UK; Cairo, Egypt)	77-84
Effects of media conditioned by a non-metastasizing human salivary gland adenocarcinoma cell clone and metastasizing clones from salivary gland and various other tissues on the proliferation, migration and protease production of bovine aortic endothelial cells in vitro M. Azuma, T. Tamatani, K. Fukui, H. Yoshida, T. Kamogashira, K. Ogino, N. Nishino, T. Suzuki, M. Sato (Tokushima, Fukushima, Japan)	85-93
Studies on the mutagenic activation of heterocyclic amines by cynomolgus monkey, rat and human microsomes show that cynomolgus monkeys have a low capacity to <i>N</i> -oxidize the quinoxaline-type heterocyclic amines C.D. Davis, R.H. Adamson, E.G. Snyderwine (Bethesda, MD)	95-104

The role of reduced growth rate in the development of drug resistance of HOB1 lymphoma cells to vincristine W.-P. Lee (Taipei, Taiwan) .....	105-111
Evidence that membrane proteins of rhabdomyosarcoma cell line RD bind human immunodeficiency virus type 1 (HIV-1) A.-B. Benzair, I. Hirsch, J.-C. Chermann (Marseille, France) .....	113-119
Effect of alkyl sulfides on diazomethane-induced methylation of DNA in vitro R.S. Brar, A.W. Bull (Rochester, MS) .....	121-125
Comparative cytotoxicities of selected minor dietary non-nutrients with chemopreventive properties H. Babich, E. Borenfreund, A. Stern (New York, NY) .....	127-133
Quantitative analysis of the metabolism of 9,10-dihydrobenzo[a]pyrene by induced rat liver microsomes† S. Nesnow, L. Jackson, W.T. Padgett, G.R. Lambert, S.C. Agarwal (Research Triangle Park, NC) .....	135-140
Alternative splicing of the <i>p53</i> tumor suppressor gene in the Molt-4 T-lymphoblastic leukemia cell line V.T.K. Chow, H.H. Quek, E.P.C. Tock (Kent Ridge, Singapore) .....	141-148
Ribonucleotide reductase: a possible target for orotic acid induced mitoinhibition in normal hepatocytes in primary culture S. Manjeshwar, G. Pichiri-Coni, P. Coni, P.M. Rao, S. Rajalakshmi, D.S.R. Sarma (Ontario, Canada) .....	149-154
Effects of alprazolam on cellular immune response to surgical stress in mice M. Freire-Garabal, M.J. Núñez, J.L. Balboa, J.C. Fernández-Rial, L.G. Vallejo, J. González-Bahillo, M. Rey-Méndez (Santiago de Compostela, Spain) .....	155-160
Induction of normal phenotypes in <i>ras</i> -transformed cells by damnacanthol from <i>Morinda citrifolia</i> T. Hiramatsu, M. Imoto, T. Koyano, K. Umezawa (Yokohama, Kanagawa, Japan) .....	161-166
Protective effects of green tea polyphenols administered by oral intubation against chemical carcinogen-induced forestomach and pulmonary neoplasia in A/J mice S.K. Katiyar, R. Agarwal, H. Mukhtar (Cleveland, OH) .....	167-172
Suppressing effect of <i>Lactobacillus casei</i> administration on the urinary mutagenicity arising from ingestion of fried ground beef in the human H. Hayatsu, T. Hayatsu (Okayama, Japan) .....	173-179
Demonstration of selective protein complexes of <i>p53</i> with 73 kDa heat shock cognate protein, but not with 72 kDa heat shock protein in human tumor cells T. Nihei, N. Sato, S. Takahashi, M. Ishikawa, S. Sagae, R. Kudo, K. Kikuchi, A. Inoue (Sapporo, Japan) .....	181-189
Modulation of mammary carcinoma cell phenotype and keratin expression patterns by retinoic acid D. Ivanyi, E. Groeneveld, J. Calafat, J.M. Minke, G. van Doornewaard (Amsterdam, Netherlands) .....	191-205
Subject Index Volume 73 .....	207-209
Author Index Volume 73 .....	211-212
Contents Volume 73 .....	213-214

